Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/11/2019 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124803	-1	2.33	124930	2.36
Blue	F	SSC	125000	123730	-2	4.15	124585	4.24
Blue	E	FITC	16694	16305	-3	4.02	379	21.60
Blue	D	PE	32792	32410	-2	3.29	713	16.44
Blue	B	PerCP-Cy5-5	44451	44316	-1	4.89	1210	23.77
Blue	A	PE-Cy7	33645	34001	1	7.49	603	49.54
Red	C	APC	47008	46746	-1	3.18	1810	13.52
Red	A	APC-Cy7	32298	31607	-3	3.03	788	14.02
Violet	B	V450	8961	8477	-6	4.68	468	14.90
Violet	A	V500	32726	31556	-4	4.33	760	11.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20359	4.12	610	-3	N/A	N/A	Pass
Blue	F	SSC	56113	3.52	580	12	N/A	N/A	Pass
Blue	E	FITC	62	70.60	566	3	0.0159	108	Pass
Blue	D	PE	141	57.74	571	5	0.1311	291	Pass
Blue	B	PerCP-Cy5-5	219	58.50	677	6	0.0069	55	Pass
Blue	A	PE-Cy7	117	125.74	733	7	0.0087	31	Pass
Red	C	APC	410	28.68	612	-1	0.0187	103	Pass
Red	A	APC-Cy7	195	30.58	583	-2	0.0045	644	Pass
Violet	B	V450	69	68.05	478	-8	0.0369	1722	Pass
Violet	A	V500	107	36.28	488	-8	0.0193	651	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.51	-32.02	1.15
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.01	13.60 - 20.40	N/A	N/A	29.08	29.53	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14692

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments